ICI3016/ICI3008

16- and 8-Position

Inter-Check® Switchers

Installation and Operation

Manual C1007M-B (2/96)

1.0 WARNINGS

Prior to installation and use of this product, the following WARNINGS should be observed.

1. Installation and servicing should only be done by Qualified Service Personnel and conform to all Local codes. Only use replacement parts recommended by PELCO.

2 After replacement/repair of this unit's electrical components, conduct a resistance measurement between line and exposed parts to verify the exposed parts have not been connected to line circuitry.

NOTE: Familiarize yourself with the information in this manual prior to installation and operation. Contact the customer's dealer/installer prior to installation and operation. Some warranties and/or service agreements may be affected.

2.0 SCOPE

This manual covers the installation and operation of the Inter-Check® ICI3008 and ICI3016 switchers.

2.1 DESCRIPTION

The Inter-Check® ICI3008 and ICI3016 are alarming, sequential video switchers designed to be used exclusively with the Inter-Check® ICI3000P Point of Sale (POS) monitoring systems.

3.0 INSTALLATION

1. Connect the 9-pin interface cable (supplied with the ICI3008/ICI3016 switcher) into the port labeled "RS 232" of the ICI3000P (refer to Fig.1).

2. Connect the modular phone plug of the interface cable into the port labeled "DATA IN" on the ICI3008/ICI3016 switcher (refer to Fig.1).

3. Connect the video inputs from your cameras to the BNC's labeled "VIDEO INPUTS" on the ICI3000P.

4. Connect a coaxial cable between the port labeled "VIDEO OUT" of the ICI3008/ICI3016 and the port labeled "VIDEO IN 1" of the ICI3000P.

5. If multiple ICI3008/ICI3016 switchers are being cascaded (i.e., linked to create a larger switcher), connect a coaxial cable from the last video input of the first Inter-Check® switcher to the port labeled "VIDEO OUT" of the second Inter-Check® switcher. Remove the cover of the second Inter-Check® switcher and set the 8-position dip switch to 0001 0000. Remove the cover of the first Inter-Check® switcher and set the 8-position dip switch to 0000 1000 (refer to Fig.2).

6. Connect the desired alarm outputs to any peripheral equipment requiring a normally open contact using the alarm interface connector supplied. Pin one corresponds to camera one; pin two with camera two; etc. The separate wire from the Inter-Check® switcher is ground. See Section 6.0 for alarm pin-out configuration information.

7. Power up the Inter-Check® units using the transformers supplied with each unit.

8. To verify communication between the Inter-Check® switcher and the ICI3000P, press [**F9**]. Press [**F9**] again. Next, select camera one by entering a [**1**] one followed by the [**ENTER**] key. The first red light labeled [**1**] on the first switcher should be on. Repeat this step for each camera input on each switcher. If an 8- or 16-position switcher has a second switcher cascaded from it, selecting camera 8 or 16 respectively will cause the first light of the second switcher to be activated.

4.0 PROGRAMMING

> **NOTE**: For a complete explanation of programming features, refer to the programming section of the operation manual supplied with the ICI3000P.

4.1 REGISTER/CAMERA/ALARM DWELL ASSIGNMENTS

To enter the programming mode, press [**ENTER**]. The following menu will be displayed:

SELECT MENU

1. Register # 1 or 2
2. Operator # 1 or 2
3. Exceptions on/off
4. Camera Select
5. Screen print on/off
6. Auto camera search on/off
7. Reverse video on/off
8. System Program
9. Exceptions Program
0. Syssave/sysread/hot key list

Press [**8**] (SYSTEM PROGRAM) and the following menu will be displayed:

SYSTEM MENU

1. # Chars./line
2. # Lines for small scrn 1 or 2
3. Small scrn position 1 or 2
4. Large scrn position 1 or 2
5. Alarm dwell time
6. Channel parms
7. Printer parms
8. Set clock
9. Ext. cam. select
0. Shadow list

Press [**0**] (SHADOW LIST) and the following prompt will be displayed:

Shadow List

REG	CAM	DWL
1.		

ESC to exit or CR to edit!

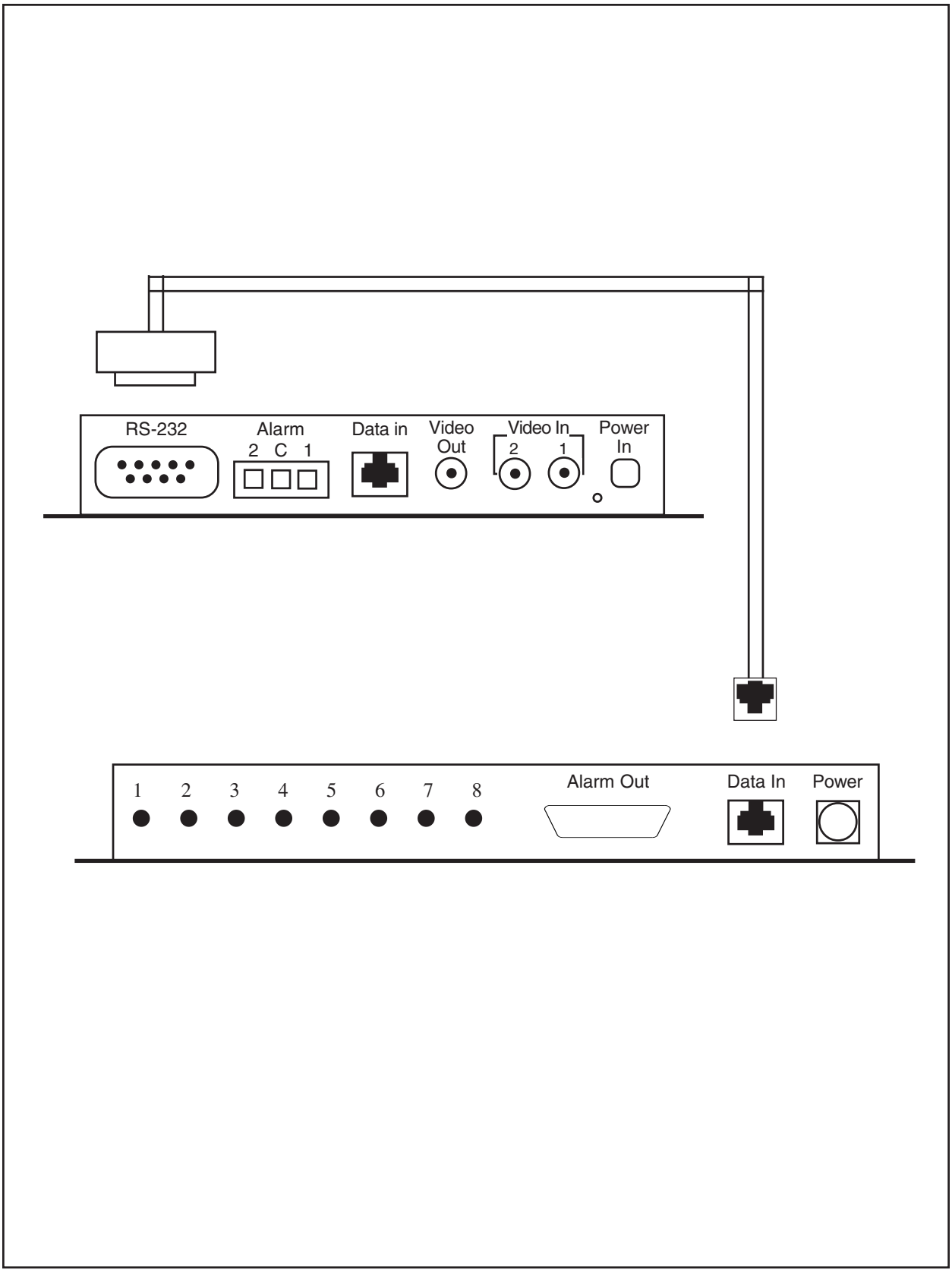


Figure 1. Data Cable Connection Between ICI3000P and ICI3008

Following is an explanation of the prompts:

REG: This is the electronic cash register (ECR) number. If using an ICI3000P, an ECR's number is determined by the address assigned to it on the ICI1000PIM installed at the register.

CAM: This is the camera number you wish to assign to an ECR. The camera number is determined by its video input on the ICI3008/ICI3016 switcher. When cascading 8- or 16-position Inter-Check® switchers, camera 8 or 16 will be the first video input of the second switcher (refer to Fig.1). Each camera input has a corresponding alarm output assigned to it on the ICI3008/ICI3016 switchers. These alarm outputs may be used in conjunction with the video inputs to trigger peripheral devices. They may also be used without video inputs to trigger pan/tilt presets on PELCO matrix switchers.

DWL: The Dwell determines how long a selected camera will remain on the monitor (in seconds) before switching to the next video camera. Entering zero [**0**] for this value will cause the switcher to bypass the camera.

1. To edit this menu, press **ENTER** or press **ESC** to return to the **SYSTEM MENU**.

2. Enter the register number you wish to select then press **ENTER**.

3. Enter the camera number (or alarm output) you would like assigned to this register followed by **ENTER**.

4. Select the dwell time for this camera in seconds or zero [**0**] to bypass then press **ENTER**.

5. Repeat these steps until all selected registers have a camera number and dwell time assigned to them. This list will hold 32 thirty-two line items.

4.2 EDITING AN EXISTING REGISTER LIST

To edit a camera list, press [**ENTER**].

Press [**ESC**] until the desired line is displayed. Enter the appropriate data as described above.

Press [**ESCAPE**] until you reach the next line you wish to edit or the end of the list.

Press [**ENTER**] to return to the SYSTEM MENU.

The Inter-Check® unit will display the previously programmed values when you re-edit the Shadow List. For instance, if you wanted to change the dwell time of a camera from 15 seconds to 10 seconds the following information would be displayed:

REG	CAM	DWL
8	6	15 10

NOTE: Previously programmed values will be deleted when you exit the shadow list.

5.0 OPERATION

5.1 CAMERA SEQUENCING

While in the monitoring mode, the Inter-Check® switcher will sequence through the camera presets according to the programmed dwell time assigned to each camera. To stop camera sequencing, simply press the [**S**] button on your keyboard. To resume switching, press the [**S**] key again.

5.2 MANUAL REGISTER MONITORING

While in the monitoring mode, press [**F1**].

To display the transaction data on the LEFT side of the monitor, press [**1**] one.

To display the transaction data on the RIGHT side of the monitor, press [**2**] two.

Enter the register number to be monitored; then press [**ENTER**].

6.0 ALARM OUTPUTS

Both the ICI3008 and ICI3016 "shadow switchers" provide alarm outputs for alarming other peripheral equipment. The ICI3008 provides eight (8) alarm outputs and the ICI3016 provides sixteen (16) alarm outputs.

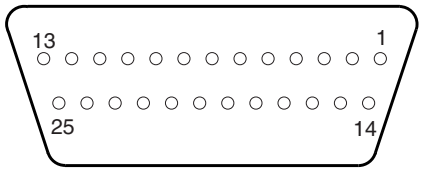
A particular alarm output is enabled according to the camera selected.

For example; when camera 4 is selected, alarm output 4 will be enabled. The output for both switchers is normally open.

The following diagrams list the pin assignments for both switchers. Use this information in wiring external, alarmable equipment.

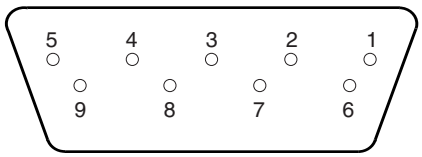
6.0 ALARM PIN-OUT CONFIGURATION

25-PIN CONNECTOR FOR ICI3016

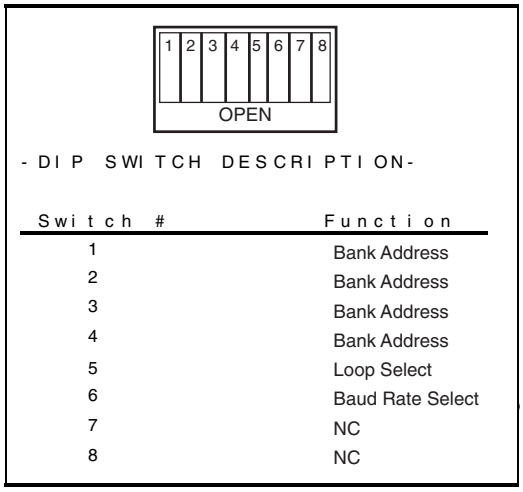


Pin #	Alarm Output
1	Alarm Output 1
2	Alarm Output 2
3	Alarm Output 3
4	Alarm Output 4
5	Alarm Output 5
6	Alarm Output 6
7	Alarm Output 7
8	Alarm Output 8
9	Alarm Output 9
10	Alarm Output 10
11	Alarm Output 11
12	Alarm Output 12
13	Alarm Output 13
14	Alarm Output 14
15	Alarm Output 15
16	Alarm Output 16
17-25	Common Ground

9-PIN CONNECTOR FOR ICI3008



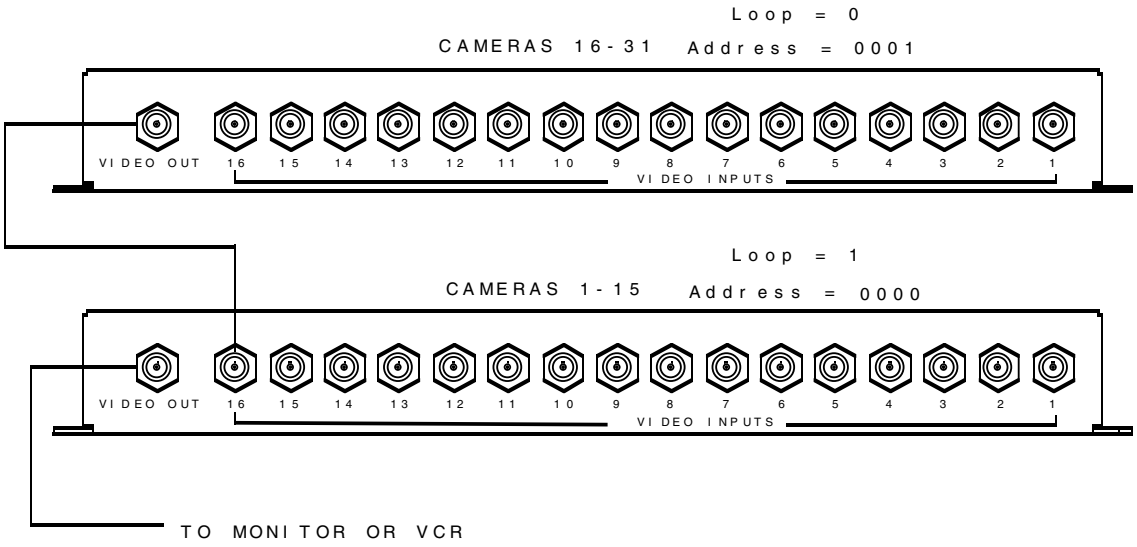
Pin #	Alarm Output
1	Alarm Output 5
2	Alarm Output 7
3	Alarm Output 6
4	Alarm Output 8
5	Alarm Output 1
6	Alarm Output 3
7	Alarm Output 2
8	Alarm Output 4
9	Common Ground



- DIP SWITCH DESCRIPTION -

Switch #	Function
1	Bank Address
2	Bank Address
3	Bank Address
4	Bank Address
5	Loop Select
6	Baud Rate Select
7	NC
8	NC

NOTE: Cover must be removed to access this dip switch.


Loop = 0
CAMERAS 16-31
Address = 0001
VIDEO OUT
16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
VIDEO INPUTS
Loop = 1
CAMERAS 1-15
Address = 0000
VIDEO OUT
16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
VIDEO INPUTS
TO MONITOR OR VCR

Shadow switchers are available in either 8 or 16 positions.

Figure 2. Cascading the ICI30008 or ICI3016

Notes:

7.0 WARRANTY AND RETURN INFORMATION

WARRANTY

Pelco will repair or replace, without charge, any merchandise proved defective in material or workmanship for a period of one year after the date of shipment.

Exceptions to this warranty are as noted below:

- Five years on FT/FR8000 Series fiber optic products.
- Three years on Genex® Series products (multiplexers, server, and keyboard).
- Three years on Camclosure® and fixed camera models, except the CC3701H-2, CC3701H-2X, CC3751H-2, CC3651H-2X, MC3651H-2, and MC3651H-2X camera models, which have a five-year warranty.
- Two years on standard motorized or fixed focal length lenses.
- Two years on Legacy®, CM6700/CM6800/CM9700 Series matrix, and DF5/DF8 Series fixed dome products.
- Two years on Spectra®, Esprit®, ExSite™, and PS20 scanners, including when used in continuous motion applications.
- Two years on Esprit® and WW5700 Series window wiper (excluding wiper blades).
- Eighteen months on DX Series digital video recorders, NVR300 Series network video recorders, and Endura™ Series distributed network-based video products.
- One year (except video heads) on video cassette recorders (VCRs). Video heads will be covered for a period of six months.
- Six months on all pan and tilts, scanners or preset lenses used in continuous motion applications (that is, preset scan, tour and auto scan modes).

Pelco will warrant all replacement parts and repairs for 90 days from the date of Pelco shipment. All goods requiring warranty repair shall be sent freight prepaid to Pelco, Clovis, California. Repairs made necessary by reason of misuse, alteration, normal wear, or accident are not covered under this warranty.

Pelco assumes no risk and shall be subject to no liability for damages or loss resulting from the specific use or application made of the Products. Pelco's liability for any claim, whether based on breach of contract, negligence, infringement of any rights of any party or product liability, relating to the Products shall not exceed the price paid by the Dealer to Pelco for such Products. In no event will Pelco be liable for any special, incidental or consequential damages (including loss of use, loss of profit and claims of third parties) however caused, whether by the negligence of Pelco or otherwise.

The above warranty provides the Dealer with specific legal rights. The Dealer may also have additional rights, which are subject to variation from state to state.

If a warranty repair is required, the Dealer must contact Pelco at (800) 289-9100 or (559) 292-1981 to obtain a Repair Authorization number (RA), and provide the following information:
1. Model and serial number
2. Date of shipment, P.O. number, Sales Order number, or Pelco invoice number
3. Details of the defect or problem

If there is a dispute regarding the warranty of a product which does not fall under the warranty conditions stated above, please include a written explanation with the product when returned.
Method of return shipment shall be the same or equal to the method by which the item was received by Pelco.

RETURNS

In order to expedite parts returned to the factory for repair or credit, please call the factory at (800) 289-9100 or (559) 292-1981 to obtain an authorization number (CA number if returned for credit, and RA number if returned for repair).

All merchandise returned for credit may be subject to a 20% restocking and refurbishing charge.

Goods returned for repair or credit should be clearly identified with the assigned CA or RA number and freight should be prepaid. Ship to the appropriate address below.

If you are located within the continental U.S., Alaska, Hawaii or Puerto Rico, send goods to:

Service Department
Pelco
3500 Pelco Way
Clovis, CA 93612-5699

If you are located outside the continental U.S., Alaska, Hawaii or Puerto Rico and are instructed to return goods to the USA, you may do one of the following:

If the goods are to be sent by a COURIER SERVICE, send the goods to:

Pelco
3500 Pelco Way
Clovis, CA 93612-5699 USA

If the goods are to be sent by a FREIGHT FORWARDER, send the goods to:

Pelco c/o Expeditors
473 Eccles Avenue
South San Francisco, CA 94080 USA
Phone: 650-737-1700
Fax: 650-737-0933

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PELCO

3500 Pelco Way
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(559) 292-1981 • (800) 289-9100
FAX (800) 289-9150 or (559) 292-3827

International customers call 1-559-292-1981
or FAX 1-559-348-1120

(Product specifications subject to change without notice.)

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